

DEMIN, V.N.; LITVINOVA, Ye.V.; SHAL'NEVA, T.S.

Recurrence and malignification of epitheliomas of the parotid
gland. Vop.onk.l no.1:80-85 '55. (MLRA 8:10)

1. Iz kafedry onkologii (zaveduyushchiy prof. A.I. Rakov)
GIDUV im. S.M. Kirova i Instituta onkologii AMN SSSR (direktor
chл.-korr. AMN SSSR prof. A.I. Serebrov)
(PAROTID GLAND, neoplasms.
recur. & malignization)

DEMIN, V.N.

Glomus tumor of the stomach. Vop.onk.1 no.1:113-115 '55. (MLRA 8:10)

1. Iz 2-go khirurgicheskogo otdeleniya (zaveduyushchiy prof. A.I. Rakov) Instituta AMN SSSR (direktor--Chl.-dorr. AMN SSSR prof. A.I. Serebrov) Leningrad, B.Pushkarskaya ul., 65, kv.9.
(STOMACH, neoplasms,
glomangioma)
(GLOMANGIOMA
stomach)

Demin, V.N., kandidat meditsinskikh nauk (Leningrad, 101, B.Pushkarskaya ul.
d.65, kv.9)

Results of treating cancer of the rectum and of the distal segment
of the sigmoid according to the spread of cancer in the venous system
and in the perineural spaces. Vop.onk. 1 no.4:84-92 '55. (MLRA 10:1)

1. Iz kafedry onkologii Gosudarstvennogo instituta dlia usovershen-
stvovaniya vrachey im. S.M.Korova (zav. prof. A.I.Rakov) na baze
Instituta onkologii AMN SSSR (dir. chlen-korr. AMN SSSR prof. A.I.
Serebrov)

(RECTUM, neoplasms,
spreading in venous system & perineural spaces, ther.
results in)

(COPON, neoplasms,
sigmoid cancer spreading in venous system & perineural
spaces, ther. results in)

Deyan'ya V.N.

LITVIN'NOVA, Ye.V.; BLINOVA, G.A.; DEMIN, V.N.; SHAL'NEVA, T.S.

Evaluation of cytodiagnosis of cancer of distal segments of the
large intestine. Vop.onk. 1 no.5:57-63 '55. (MIRA 10:1)

1. Iz kafedry onkologii (zav. - prof. A.I.Rakov) Gosudarstvennyy
institut dlya usovershenstvovaniya vrachey im. S.M.Kirova na base
Instituta onkologii AMN SSSR (dir. - chlen-korr. AMN SSSR prof.
A.I.Serebrov) Adres avtorov: Leningrad, Kamenny ostrov, 2-ya
Berezovaya alleya, d.3, Institut onkologii AMN SSSR.

(INTESTINE LARGE, neoplaems,
diag., cytol.)

FD-2463

USSR/Medicine - Physiology

DEM / IV
Card 1/1 Pub 33-14/24

Author : Demin, V. N.

Title : On the physiology of recto-anal reflexes

Periodical : Fiziol. zhur. 2, 257-261, Mar-Apr 1955

Abstract : A pneumo-manometric method was developed to record the strength of maximum voluntary contractions of the anal sphincter, and the changes of its tone during inflation of a balloon introduced into the rectum. The force of a maximum voluntary contraction averages 17 mm H₂O, without any age trend in 22 healthy subjects from 17 to 81 years. Inflation of the rectum produces usually a contraction of the sphincter, with a duration from 0 to 100 sec. (average 37 sec.) Sometimes, a relaxation of the sphincter occurred, particularly when the pressure in the balloon exceeded 100 mm. Diagram; table; graph. Nine references, 8 of them USSR (6 since 1940).

Institution: First Surgical Department of the Institute of Oncology of the Academy of Medical Sciences USSR and the Leningrad Institute for the Improvement of Doctors imeni S. M. Kirov

Submitted : February 12, 1953

DEMİN, V.N., kandidat meditsinskikh nauk, KALINICHENKO, A.A., kandidat
meditsinskikh nauk

"X-ray diagnosis in diseases of the rectum and the distal part
of the sigmoid flexure." D.M. Abdurasulov. Reviewed by V.N. Demin,
A.A. Kalinichenko. Vest.khir. 75 no.5:136-138 Je '55 (MLRA 8:10)
(INTESTINES--DISEASES) (DIAGNOSIS, RADIOSCOPIC)
(ABDURASULOV, D.M.)

DEMIN, V.N.; CHAKLIN, A.V.

Second republic oncological conference of the Estonian S.S.R. and
out of town session of the Institute of Oncology of the Academy of
Medical Sciences of the U.S.S.R. Vop.onk. 2 no.2:251-254 '56.

(MLRA 10:3)

1. Adres avtorov: Leningrad, 129, 2-ya Berezovaya alleya, d.3,
Institut onkologii AMN SSSR.
(CANCER)

DEMIN, V.N. (Leningrad, 101, B.Pushkarskaya ul., d.no.65, kv.9); LITVINNOVA,
Ye.V. (Leningrad, pr. Mayorova, d.no.36, kv. 29)

Intraosseous administration of embichine in the treatment of certain
diseases [with summary in English] Vop.onk. 2 no.4:475-477 '56.
(MIRA 9:12)

1. Iz khirurgicheskogo otdeleniya (zav. - prof. S.A.Koldin) Instituta
onkologii AMN SSSR (dir. - chlen-korrespondent AMN SSSR prof. A.I.
Serebrov)

(NITROGEN MUSTARDS, administration,
intracssous (Rus))

DEMIN, V.N.; CHAKLIN, A.V.

First Leningrad municipa; oncological conference. Vop. onk.
3 no.1:127-128 '57
(CANCER) (MLRA 10:4)

DEMIN, V.N.; ARKHIPOVA, L.I.

Some results of the oncological service in Leningrad and prospects
for its development [with summary in English]. Vop.onk. 3 no.3:
348-351 '57. (MLRA 108)

1. Glavnnyy onkolog Lengorzdrevotdela (for Demin). 2. Glavnnyy
vrach Lengoronzkodispansera (for Arkhipova). Adres avtorov: Lenin-
grad, Malaya Sadovaya, d.1. Lengorzdrevotdel
(NEOPLASMS, statist.
in Russia (Rus))

USSR/General Problems of Pathology. Neoplasms.

U

Abs Jour: Ref Zhur-Biol., No 8, 1958, 37330.

Author : Chaklin, A.V., Demin, V.N., Litvinova, E.V.

Inst :

Title : The Problem of Lung Cancer (Survey of Scientific Conference on the Lung Ca Problem.

Orig Pub: Khirurgiya, 1957, No 6, 137-146.

Abstract: No abstract.

Card : 1/1

178

DEMIN, V.N., kand.med.nauk

Evaluation of the role of retrograde metastasis in surgery for
rectal cancer. Sbor. nauch. trud. GIDUV no. 14:49-53 58.
(MIRA 13:10)

1. Iz kafedry operativnoy khirurgii (zav. kafedroy prof. A.P.
Nadein) i kafedry onkologii Gosudarstvennogo instituta dlya
usovershenstvovaniya vrachey (zav. kafedroy prof. A.I. Rakov).
(RECTUM--CANCER) (LYMPHATICS--CANCER)

DEMIN, V.N. (Leningrad, 101, B.Pushkarskaya ul. d.65, kv.9)

History of the surgical treatment of cancer of the sigmoid
and the proximal portion of the rectum. Vop.onk. 4 no.2:
230-233 '58. (MIRA 12:8)

1. Iz kafedry onkologii (zav. - prof.A.I.Rakov) Gosudarstvennogo
instituta dlya spetsializatsii i usovershenstvovaniya vrachey
im. S.M.Kirova (dir. - prof. N.I.Blinov).

(RECTUM, neoplasms
surg. technics in Russia, hist. note (Rus))

(COLON, neoplasms
sigmoid cancer, surg. technics in Russia,
hist. note (Rus))

DENIN, V.N., Doc Med Sci --(diag) "Self-treatment of methods
of surgical treatment of cancer of the large intestine and
rectum depending ^{upon} ~~on~~ peculiarities of growth and extension of
the tumor process." Leningrad, 1959. 12 pp (Stable Order of Lenin Inst
~~for~~ the Advanced Training of Physicians in S.M. Kirov), 200 co-
pies. List of author's works, p.12 (12 titles). (V,39-50,121)

- 43 -

SHANIN, A.P.; DEMIN, V.N.; CHAKLIN, A.V.

"Tumors; diagnosis, treatment, and prevention" by L.M. Nisnevich.
Reviewed by A.P. Shanin, V.N. Demin, A.V. Chaklin. Vop.onk. 5
no.7:115-117 '59. (MIRA 12:12)
(TUMORS) (NISNEVICH, L.M.)

BAZHENOVA, K.M.; DEMIN, V.N.; STANKEVICH, A.A.

Second Leningrad Municipal Oncological Conference. Vop.onk. 5
no.8:236-239 '59. (MIRA 12:12)
(ONCOLOGY--CONGRESSES)

DEMIN, Vladimir Nikolayevich; FEDOROVSKAYA, N.V., red.; LEBEDEVA,
G.T., tekhn. red.

[Malignant tumors; contemporary methods of treatment and
prevention] Zlokachestvennye opukholi; sovremennye meto-
dy lecheniya i profilaktika, Leningrad, Medgiz, 1960.
30 p. (MIRA 16:10)

(CANCER)

DEMIN, V.N.

Factors determining success in the treatment of cancer of the colon
and rectum. Vop. onk. 6 no.6:40-47 Je '60. (MIRA 14:3)
(INTESTINES--CANCER)

DEMIN, V.N.

Problem of the level of section of the portion of the intestine
to be removed in cancer of the large intestine and rectum.
Khirurgiia 36 no.8:49-54 Ag '60. (MIRA 13:11)

1. Iz kafedry onkologii (zav. - chlen-korrespondent AMN SSSR prof.
A.I. Rakov) Leningradskogo gosudarstvennogo instituta dlya usover-
shenstvovaniya vrachey imeni S.M. Kirova i 1-go khirurgicheskogo
otdeleniya (zav. - chlen-korrespondent AMN SSSR S.A. Khordin)
Instituta onkologii AMN SSSR.
(INTESTINES—CANCER)

DEMIN, V. N., doktor med. nauk (Leningrad)

Diagnostic errors in cancer of the rectum. Klin. med. no.11:
142-145 '61. (MIRA 14:12)

1. Iz kafedry onkologii (zav. - chlen-korrespondent AMN SSSR prof. A. I. Rakov) Gosudarstvennogo ordena Lenina instituta usovershenstvovaniya vrachey S. M. Kirova (dir. - dotsent A. Ye. Kiselev) na baze Instituta onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A. I. Serebrov)

(RECTUM---CANCER)

BAZHENOVA, K. M.; DEMIN, V. N.

Oncological care in Leningrad. Vop. onk. 7 no.7:90-94 '61.
(MIRA 15:2)

1. Glavnyy akusher-ginekolog Leningradskogo gorodskogo otdela
zdravookhraneniya (for Bazenova). 2. Glavnyy onkolog Leningradskogo
gorodskogo otdela zdravookhraneniya (for Demin).

(GENERATIVE ORGANS, FEMALE—TUMORS)

MINYAYEV, V. A.; DEMIN, V. N.; ARKHIPOVA, L. I.

Oncological care and the role of the public health system in the prevention of cancer in Leningrad. Zdrav. Ros. Feder. 6 no.5:
25-27 My '62. (MIRA 15:7)

1. Zaveduyushchiy Leningradskim gorodskim otdelom zdravookhraneniya (for Minyayev). 2. Glavnnyy onkolog Leningradskogo gorodskogo otdela zdravookhraneniya (for Demin). 3. Zamestitel' glavnogo vracha Leningradskogo gorodskogo onkologicheskogo dispansera (for Arkhipova).

(LENINGRAD--CANCER)

DEMIN, V.N., prof.

Diagnosis of cancer. Zhur. VKHO 8 no.4:468-470 '63.
(MIRA 16:10)
(CANCER—DIAGNOSIS)

DEMIN, V.N.
AID Nr. 975-7 23 May

FIRE-RESISTANT UNSATURATED POLYESTER RESINS (USSR)

Valgin, V. D., V. N. Demin, and Ye. B. Petrilenkova. Plasticheskiye
massy, no. 4, 1963, 14-16. S/191/63/000/004/004/015

Fire-resistant, unsaturated polyester resin ПНН has been synthesized by reacting chloroendic anhydride, maleic anhydride, ethylene glycol, and diethylene glycol at 160 to 175°C in a flask provided with a bubbler for CO₂. After the neutralization number of the polyester attained 25 to 28 mg KOH per g resin the reaction mixture was cooled to 140 to 150°C and hydroquinone was added.

ПНН is a brown, transparent solid (density, 1.57 to 1.59 g/cm³; chlorine content, 36 to 37.4%) soluble in acetone, benzene, styrene, and methyl methacrylate. Study of the properties of cured polyester-styrene solutions showed that a styrene-containing ПНН with the best properties is obtained under the following conditions: neutralization number of the polyester, 25 to 28 mg KOH per g of resin; styrene content, 25 to 30%; initiator (cumene hydroperoxide), 3 to 5 parts; and accelerator (cobalt naphthenate), 0.45 to 0.55 parts per 100 parts of polyester-styrene solution. The styrene-containing ПНН is fire-resistant

Card 1/2

AID Nr. 975-7 23 May

FIRE-RESISTANT [Cont'd]

S/191/63/000/004/004/015

and has the following properties: density, 1.35 to 1.41 g/cm³; Vicat softening point, 110 to 126°C; compressive strength, 1300 to 1370 kg/cm²; bending strength, 350 to 400 kg/cm²; impact toughness, 2.7 to 3.6 kg·cm/cm²; and 12-hr acetone-extracted fraction, 14 to 16%. Preliminary tests indicated that styrene solutions of IHH can be used as adhesives to bond foamed plastics to metals and as binders for fire-resistant glass-reinforced plastics. {BAQ}

Card 2/2

~~DEMİN, V.N., doktor med. n.uk (Leningrad, prospekt Ingel'sa, d.7., kv.126)~~

Dispensary service for oncological patients in Leningrad. Vest.
khir. 90 no.5:55-68 My'63 (MIRA 17:5)

1. Iz leningradskogo gorodskogo otdela zdravookhraneniya (zav.-
V.A. Minayev) i kafedry onkologii (zav. - prof. A.I. Rekov)
Leningradskogo instituta usovremenizovaniya vrachey imeni S.M.
Kirova (rektor - dotsent S.N. Polikarpov).

DEMIN, Vladimir Nikolayevich; RYNKEVICH, V.S., red.

[Rational limits of surgery in cancer of the colon and
the rectum] Ratsional'nye operatsii pri rake obodochnoi
i priamoi kishki. Leningrad, Meditsina, 1964. 206 p.
(MIRA 17:5)

KOLESOV, V.I., prof.; DEMIN, V.N., prof.; LEVIN, A.O.; SHAL'NEVA, T.S.;
BOMASH, N.Yu., VINogradov, A.G.; LECOKO, V.A.; SIDORENKO, L.N.;
YARITSYN, S.S.

Regional perfusion of chemotherapeutic substances in malignant
tumors of the extremities. Vest.khir. 93 no.8:58-64 Ag '64.
(MIRA 18:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. V.i.
Kolesov) 1-go Leningradskogo meditsinskogo instituta imeni
Pavlova.

55241-65	EWT(m)/EPF(c)/KPR/EWP(j)/T	Pc-1/Pr-4/Ps-4	WN/RM	
ACCESSION NR:	AP5015566	UR/0286/65/000/008/0147/0147		
AUTHOR:	Valgin, V. D.; Demin, V. N.; Petrikova, Ye. B.	328		
TITLE:	Preparation of fire-resistant polymeric materials. Class 39, No. 14574915			
SOURCE:	Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 147			
TOPIC TAGS:	fire resistant polymeric material, polyester resin, chlorine containing polyester resin			
ABSTRACT:	An Author Certificate has been issued for a preparative method for fire-resistant polymeric materials based on chlorine-containing polyester resins. To improve the quality and processability of the polymeric material, the following materials and procedure are used: chlorine-containing maleic polyester and a polymerization accelerator are dissolved in the nonvolatile product of the partial condensation of methacrylic acid and glycols. Following the addition of 2-5% antimony trioxide, the system is cured with peroxide compounds. [30]			
ASSOCIATION:	none			
Card 1/2				

L 55241-65			O
ACCESSION NR: AP5015566			
SUBMITTED: 30May61	ENCL: 00	SUB CODE: NT	
NO REF SOV: 000	OTHER: 000	ATT PRESS: 4023	
Card 2/2 mle.			

KOL'MAN, E., prof.; GORPINICH, K.Ye., uchitel'; SHTEPAN, V.Ye., prepodavatel' teoreticheskoy mekhaniki; VLASOV, O.Ye., prof. (Moskva); MERKULOV, I.T. (Ul'yanovsk); KUTSEV, M.M. (Kuybyshev); CHAPTYKOV, P.G. (Leningrad); DEMIN, V.N. (Tashkent); TUJKMAN, R.E. (Tallin); GERTS, G., doktor fizicheskikh nauk, dotsent; DUDEL', S.P., doktor filosof. nauk, prof. (Moskva)

Finite ness and infinity in the universe; survey of letters and articles received by the editor. Priroda 54 no.8:97-102 Ag '65.
(MIRA 18:8)

1. Shkola No.8 g. Kremenchuga (for Gorpinich). 2. Krasnoyarskiy politekhnicheskiy institut (for Shtepan). 3. Filosofskiy fakultet universiteta im. Gumbol'dta, Berlin, Germanskaya Demokrati-cheskaya Respublika (for Gerts).

DEMIN, V.P.

Discriminator with a variable passband. Nauch.dokl.vys.shkoly;
radiotekh. i elektron. no.2:187-193 '58. (MIRA 12:1)

1. Kafedra teoreticheskikh osnov radiotekhniki Moskovskogo aviatciono-go instituta.
(Radio frequency modulation--Receivers and reception)

DEM:N,

X P

Н. Н. Курин
Широко спектральные линии излучения лазеров.
Беск.

В. Я. Гарин
О методах диагностики в радиотехнической гидроакустике и в космической гидроакустике.

10 июня
(с 18 до 22 часов)

Г. И. Рудин
Плазмоакустические решения в интегральных измерительных системах и компьютерах повышенной стабильности частоты.

Г. И. Красников
К теории устойчивости потокометров.

М. Е. Григорьев,
В. Е. Кондр
Фазовые соединения в интегральных параметрических усилителях.

В. Р. Денин
О способах конфигурации в интегральном контуре с помощью р-р перехода.

и

Г. И. Красников
О структурном представлении ядра в интегральных измерительных системах.

11 июня
(с 10 до 16 часов)

А. Н. Волынович
Новые способы синтезации излучения в спутниково-антенном режиме.

В. Е. Шабанович,
Ю. А. Сорокин
Интегральные усилительные частоты.

Ю. А. Зарин
Об одном способе электронного измерения широтного наименьшего угла.

В. А. Капин
О способах извлечения орбитальных параметров.

11 июня
(с 18 до 22 часов)

и

report submitted for the Centennial Meeting of the Scientific Technological Society of
Radio Engineering and Electrical Communications in A. S. Popov (VKRIS), Moscow,
8-12 June, 1959

9 (2)

06364
SOV/142-2-4-17/26

AUTHORS: Samoylenko, V.I., Demin, V.P.

TITLE: Remarks

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1959, Vol 2, Nr 4, p 492 (USSR)

ABSTRACT: The authors express their opinion on the article by T.M. Agakhanian, B.N. Kononov, I.P. Stepanenko, titled "The Terminology in the Field of Transistor Electronics", published in Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1958, Nr 4, Vol 1, p 496. The authors agree with the suggested list of terms in general. However, in several specific cases they recommend different designations. They agree with the term "tranzistor" (transistor) which should not include the "poluprovodnikovyye diody" (semiconductor diodes) and the lastmentioned term should be used for designating diodes. The terms "tranzistron" (transistron) and "stereotron", originating from foreign literature, should not be used. The authors do not agree with the

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06364
SOV/142-2-4-17/26

Remarks

term "ploskiy perekhod" (junction) which should be called "ploskostnyy perekhod". Further, they recommend some changes in the selection of symbols for designating transistor and diode parameters.

ASSOCIATION: Moskovskiy aviatsionnyy institut imeni Sergo Ordzhonikidze (Moscow Aviation Institute imeni Sergo Ordzhonikidze)

SUBMITTED: February 21, 1959

Card 2/2

DEMIN, V. P., Cand Tech Sci -- (diss) "Utilization of the capacity of p-n transfer in semi-conductor devices for the control of frequencies of autogenerators." Moscow, 1960. 8 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Lenin Aviation Inst im Sergo Ordzhonikidze); 160 copies; price not given; (KL, 19-60, 133)

DEMIN, V.P.

For the economy of electric power (experience of the
Efremov Industrial Alcohol Plant). Spirt.prom. 26
no.4:41-43 '60. (MIRA 13:8)
(Alcohol) (Electric power)

20009

9.4300 (1139, 1154, 1159, 1161)

S/535/60/000/128/003/008
E036/E135

AUTHOR: Demin, V.P., Engineer

TITLE: On Free Oscillations in a Circuit Containing a p-n
Junction CapacitancePERIODICAL: Moscow. Aviatsionnyy institut. Trudy, No. 128. Moscow.
1960. Primeneniye poluprovodnikovykh priborov /
aviatsionnykh radiotekhnicheskikh ustroystvakh;
sbornik statey, pp. 28-36TEXT: In previous work concerned with circuits employing
p-n junction capacitances, these were considered as linear
elements. This is only valid if the constant voltage applied to
the junction is appreciably in excess of the amplitude of the
oscillations. In several applications this is not true, e.g.
frequency modulators, parametric amplifiers and pulse circuits; in
these the capacitance is particularly non-linear
and it is therefore of interest to consider an oscillator con-
sisting of an inductance and a non-linear p-n capacitance.
The complete solution is very difficult and only the more limited
Card 1/3 X

20889

S/535/60/000/128/003/008
E036/E135

✓

On Free Oscillations in a Circuit Containing a p-n Junction
Capacitance

problem of determining the form and period of the free oscillations after a certain amount of energy has been placed on the capacitance is considered here. No damping is assumed. Using the simple differential equation of the LC circuit and the relation between capacitance and voltage for a p-n junction (abrupt junction) a differential equation is obtained using the voltage on the capacitance as the variable. Any resistance in the circuit is neglected, any losses being compensated by the valves in the generator. Parasitic capacitances are also neglected. In integrating the differential equation in its final form the constant of integration is determined from the initial condition that the capacitance is charged to a definite value. The final expression cannot be put in terms of known elementary functions. However, a solution is possible in terms of elliptic integrals but in forms which are not tabulated (periodic elliptic functions of the Weierstrass type). Consideration of the properties of

Card 2/3

20889

S/535/60/000/128/003/008
E036/E135

On Free Oscillations in a Circuit Containing a p-n Junction Capacitance

these functions and the requirement that oscillations occur in the circuit makes it possible to calculate the voltage as a function of time. Several curves corresponding to various initial conditions are plotted; they are not sinusoidal. The period depends on the initial voltage on the junction capacitance and oscillations are generally only possible for certain initial conditions, namely that $V_0/\phi < 3$ where V_0 is the initial voltage on the junction capacitance and ϕ is its contact potential. Throughout, for simplicity, the bias voltage is taken as zero, although the results are simply modified to allow for finite bias voltage by adding this to the contact potential.

There are 2 figures and 7 Soviet references.

Card 3/3

DEMIN, V.P., inzh.

Phasing of mercury rectifiers by means of a phase meter. Elek.
i tepl. tiaga no.1:23 Ja '61. (MIRA 14:3)

1. Elektrotekhnicheskaya laboratoriya Sverdlovskoy dorogi.
(Mercury-arc rectifiers) (Electric railroads—Substations)

DEMIN, V. P.

Self-oscillations in a circuit with nonlinear p-n junction
capacitance. Trudy MAI no.150:23-29 '62. (MIRA 15:10)

(Electric networks) (Transistors)

DEMIN, V. P.

Period of free oscillations in a circuit containing a nonlinear
p-n junction capacitance. Trudy MAI no.150:30-34 '62.
(MIRA 15:10)

(Electric networks) (Transistors)

DEMIN, V. P.; SAMOYLENKO, V. I.

Stability of the center frequency of an oscillator containing a
p-n junction capacitance. Trudy MAI no.150:35-38 '62.
(MIRA 15:10)

(Electric networks) (Transistor circuits)

BOBKOV, V.G.; DEMIN, V.P.; KEIRIM-MARKUS, I.B.; KOVALEV, Ye.Ye.;
LARTCHEV, A.V.; SAKOVICH, V.A.; SMIRENNYY, L.N.;
SYCHKOV, M.A.; MEL'NIKOVA, A.I., red.

[Radiation safety in space flights] Radiatsionnaya bez-
opasnost' pri kosmicheskikh poletakh. Koskva, Atomizdat,
(MIRA 18:1)
1984. 370 p.

L 14697-66 EWT(m)/ETC/F/EPP(n)-2/EWG(m)/EWP(t)/EWP(b)/EWA(h) IJP(c) JD/WW/JG/DM
ACC NR: AP6008249 SOURCE CCDE: UR/0089/65/019/005/0452/0453

AUTHOR: Belov, S. P.; Demin, V. P.; Kazanskiy, Yu. A.; Popov, V. I.; Lobakov, A. P.

ORG: none

TITLE: Secondary gamma-emission coefficients for aluminum, copper, and tungsten

SOURCE: Atomnaya energiya, v. 19, no. 5, 1965, 452-453

TOPIC TAGS: aluminum, tungsten, copper, gamma flux, neutron flux, gamma quantum, secondary emission, radiation shielding

ABSTRACT: The coefficient of secondary gamma emission—the ratio of total capture-gamma flux with energies above threshold emitted from a shielding surface to the total neutron flux leaving the same surface—was determined for Al, Cu, and W, using the RIZ reactor¹⁹ as the neutron source. Measurements were made for gamma quanta over 5 Mev and for shielding thicknesses of 20 cm for Al, 9.5 to 48 cm for Cu, and 5 to 17 cm for W. [NA] 53, j4

SUB CODE: 18, 20 / SUBM DATE: 10Mar65 / ORIG REF: 004

BVK
Card 1/1

UDC: 539.122

1 27302-66	EWT(1)/EWT(m)/FCC/EWA(h)	GW	
ACC NR:	AM6001040	Monograph	UR/
<u>Bobkov, V. G.; Demin, V. P.; Keirim-Markus, I. B.; Kovalev, Ye. Ye.; Larchev, A. V.; Sakovich, V. A.; Smirennyy, L. N.; Sychkov, M. S.</u>			
<u>Radiation safety during space flights</u> (Radiatsionnaya bezopastnost' pri kosmicheskikh poletakh) Moscow, Atmizdat, 1964. 370 p. illus., bibliog. 1700 copies printed. <i>Bf/103</i>			
TOPIC TAGS: cosmic radiation, solar radiation, space radiation hazard, radiation safety, radiation belt, radiation dosimetry, radiation protection, solar corpuscular radiation, nuclear energy, nuclear propulsion engine			
PURPOSE AND COVERAGE: This monograph may be of interest to persons concerned with problems of radiation safety in space flights. It is a compilation of articles written by various authors on cosmic radiation, its sources, levels, dosimetry techniques, and physical methods for protection against radiation. The authors' purpose was to present the problem of radiation safety in space flight as fully as possible. Peculiarities of cosmic radiation dosimetry are outlined; radiation conditions in space, basic interactions of cosmic radiation with the matter, and radiation protection are analyzed. Chapters 1 and 3 were written by Z. B. Keirim-Markus, Chapters 2 and 4 by M. A. Sychkov, Chapters 5 and 8 by A. V. Larychev, Chapter 6 by Ye. Ye. Kovalev, Chapter 7 by Ye. Ye. Kovalev and L. N. Smirennyy, Chapter 9 by V. G. Bobkov, and Chapter 10 by V. P. Demin and V. A. Sakovich.			
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Ch. 3. Solar cosmic radiation (SCR) -- 60

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Ch. 8. Protection against electrons and bremsstrahlung of the earth's outer radiation belt -- 240

Ch. 9. Nuclear energy sources in spacecraft -- 259

Ch. 10. Protective shielding of nuclear reactors in spacecraft -- 300

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"APPROVED FOR RELEASE: 06/12/2000

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ACC NR: AM6001040

Appendices -- 354

SUB CODE: 18, 06/ SUBM DATE: 220ct64/ ORIG REF: 034/ OTH REF: 050/

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APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000310110003-2"

DEMİN, V. S.

USSR/Agriculture - Mechanization of farming

Card 1/1 : Pub. 77 - 4/21

Authors : Demin, V. S.

Title : Mechanization and electrification

Periodical : Nauka i zhizn' 21/9, 11-13, Sep 1954

Abstract : A description is given of the exhibits of farm machinery and implements and equipment for electrification of the farm, which were housed in twenty-six halls at the 1954 All-Union Agricultural Exposition at Moscow. Illustrations.

Institution :

Submitted :

KUTOVOY, I.D.; DEPARMA, V.N.; LIVSHITS, L.G.; KOROLEV, N.V.; DEMIN, V.S.,
inshener, redakter; OGLOBLIN, K.S., redakter; MAYBORODA, N., tekhnicheskiy
redakter.

[Repair equipment for machine-tractor stations. Apparatus, devices
and tools shown at the All-Union Agricultural Exhibit; a reference
manual] Rementnaya oborudovaniye masterskoi MTS. Pribety, prispособле-
niia i instrumenty, ekspemiruemye na VSKhV; spravochnik. Moskva,
Gos.izd-vo kul'turno-prosvetitel'noi lit-ry, 1955. 175 p. (MIRA 9:6)

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954.
(Agricultural machinery--Repairing)

DEMIN, V.S.; SAVINSKIY, G.B.; PETROV, A.A., redaktor; ANTONOVA, N.M., tekhnicheskiy redaktor

[Tractors, automobiles and engines in Soviet agriculture]
Traktory, Avtomobili i dvigateli v sel'skom khoziaistve SSSR.
Moskva, Izd-vo Ministerstva sel'skogo khoziaistva SSSR, 1956.
60 p. (MLRA 9:4)

(Tractors) (Motor trucks)

DEMIN, V.S.; SAVINSKIY, G.B.; PETROV, A.A., redaktor; ANTONOVA, N.M.,
tekhnicheskiy redaktor

[Machinery for tillage] Pochvoobrabatyvaiushchie mashiny. Moskva,
Izd-vo Ministerstva sel'skogo khoziamistva SSSR, 1956. 63 p.
(Agricultural machinery) (MIRA 9:9)

DEMINS, V.S.; SAVINSKIY, G.B.; PETROV, A.A., redaktor; ANTONOVA, N.M.,
tekhnicheskiy redaktor

[Machines for mechanization of work in raising livestock] Mashiny
dlia mekhanizatsii rabot v zhivotnovodstve. Moskva, Izd-vo Mini-
sterstva sel'skogo khoziaistva SSSR, 1956. 31 p. (MLR# 9:11)
(Farm equipment)

KOLEVATOV, P.A.; SAKHAROV, A.S.; ZELENKIN, V.A.; DEMIN, V.S.; OVSYANKIN,
A.D.

Combatting dust in the sintering department of the Chusovoy
Metallurgical Plant. Nauch. trudy Perm NIUI no. 4:164-170 '62.

Sanitary and hygienic working conditions in the production of
ferrovanadium and combatting dust during the grinding of charging
materials in ball mills. Ibid.:171-178 (MIRA 17:6)

L 20139-65 EWP(k)/EWT(m)/EWP(p)/T/EWA(d)/EWP(v)/EWP(t)/
JD/HM/HW
ACCESSION NR: AP4045723

Pf-4/ ASD(m)-3
S/0135/64 000/009/0020/0022

AUTHOR: Slepak, E. S. (Candidate of technical sciences); Demin, V. V. (Engineer)

TITLE: Comparison between flashless resistance butt welding of pipes and induction welding

SOURCE: Svarochnoye proizvodstvo, no. 9, 1964, 20-22

TOPIC TAGS: flashless resistance welding, induction welding, upsetting

ABSTRACT: A comparative study of resistance butt welding (which has not been fully investigated in the Soviet Union) versus induction welding (8000 Hz) showed that the butt joints were of equal quality after both processes. The wall thickness of steel "20" pipes was 3 to 4 mm and the diameter 32 x 3.5 mm. The heating zone in resistance welding was sufficiently narrow prior to upsetting. With a 40 mm long workpiece, the section that undergoes plastic deformation during welding at 800 to 1300°C is approximately 16 mm wide; this width produces a smooth inner pipe surface with a negligible thickening in the butt area near the aperture diameter, amounting to 90-95% of the nominal diameter. Upsetting pipe was

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L 20139-65

ACCESSION NR: AP4045723

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found to have a considerable influence on joint quality. Induction welding does not require a special preparation of the butts- and the use of the mechanical part is simple. However, the more complicated power supply system, the lack of a reliable detachable inductor, the inadequate protection of the butt during the gas supply to the external pipe surface and the use of devices to maintain the gap within the desired limits during the introduction of gas into the pipe are obvious disadvantages. On the other hand, resistance welding has a simple electric block diagram and comprises an industrially adopted gas supply to the outside of the pipe. The shortcomings of this process lie in the special preparation of the butts, sizing of the pipes in order to prevent deviations in thickness exceeding 1.5% and a more complicated mechanism of the welding machine. Orig. art. has: 8 figures.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 002

OTHER: 000

Card 2/2

DEMİN, Viktor Vasil'yevich; SAPILOV, A.V., očv. red.; MIRSKAYA,
V.V., ved. red.

[Principles of automatic control and remote control in
mines] Osnovy rudnichnoi avtomatiki i telemekhaniki. Mo-
skva, Nedra, 1964. 198 p. (MIRA 18:3)

DEMEN V.V., gornyy tekhnik; KOSTAREV, S.S., gornyy tekhnik

Payment to workers of integrated brigades. Gcr. zhur. no.4514-15
Ap '65. (MIRA 18s5)

I. Ruznik "Kholtoeon", g. Tukamensk, Buryatskaya ASSR.

ACCESSION NR: AT4041810

S/2563/64/000/230/0049/0053

AUTHOR: Aliyev, R. Z., Demin, V. Ya

TITLE: Calculation of a laminar boundary layer with discontinuous suction

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy*, no. 230, 1964. Tekhnicheskaya gidromekhanika (Technical hydromechanics), 49-53

TOPIC TAGS: boundary layer, laminar flow, surface roughness, form parameter, discontinuous suction, hydromechanics

ABSTRACT: Suction of liquid from the surface of a streamlined body is one of the methods of laminating the boundary layer. The purpose of this paper was to give a method for an approximate calculation of the basic parameters of discontinuous suction in boundary layers, such as the width of a shell or porous ring, their distance and the flow rate of the pumped liquid. This method is based on Lachmann's work (J. Roy. Aeronaut. Soc., V. 59, 1955, N 531). In order to preserve laminar flow in the boundary layer, the thickness which experiences a loss of impulse at the surface points should satisfy the condition

(1)

1/4

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ACCESSION NR: AT4041810

This condition is illustrated in the Enclosure. The value of the lower limit depends on the degree of surface roughness, i.e. on the surface protuberance as given by $k \leq 0.5\delta^*$. (2)

By introducing the parameter $H = \delta^x / \delta^{xx}$, this assumes the form $k \leq 0.5/\delta^{xx}$. (3)

where H is a function of the photoparameter. The calculation of the thickness of loss of impulse is performed in the following way: The function $\delta^{xx}[f(x)]$ is calculated from the front edge of a streamlined body for the boundary layer in the absence of suction, and the value of δ^{xx} is determined. The first pumping strip is placed along the axis x corresponding to the displacement thickness δ^x less than δ_{cr}^x . The value of the thickness of the impulse loss δ^{xx} on the rear edge in the suction flow determines the minimum permissible value of the height of protuberance. In this way, the thickness of the impulse loss at the front and rear edge is calculated and given by (4)

$$\frac{\delta_1}{\delta_{cr}^x} = 1 - \int_{0}^{\frac{y_1}{\delta_{cr}^x}} \frac{u_1}{U_1} \left(1 - \frac{u_1}{U_1}\right) d\left(\frac{y_1}{\delta_{cr}^x}\right)$$

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ACCESSION NR: AT4041810

The dependence of the ratio δ_2/δ_1 on the rate of flow is given by

$$\frac{\delta_2}{\delta_1} = \frac{k}{\delta_1} = \Psi \left(\frac{c_0}{U_1 \delta_1} \right). \quad (5)$$

In order to estimate δ_1^{**} on the impervious part, it is necessary to know the dependence of the form parameter on the coordinate x . This dependence is given by

$$f = \frac{U_1}{U_2} \cdot \frac{r_1^k}{r_2^k} \left(\frac{U_1}{U_2 r_2^k} \int U^2 r^2 dx + f_2 \right). \quad (6)$$

Numerical calculation of a laminar layer with discontinuous suction was performed in the aerodynamics laboratory and it was found that the width of a pumping shell depends on the number R_∞ , surface roughness and the flow rate of the pumped liquid. Orig. art. has: 1 figure and 11 equations.

ASSOCIATION: Leningradskiy politekhnicheskiy institut im. M.I. Kalinina (Leningrad Polytechnical Institute)

SUBMITTED: 00

ENCL: 01

SUB CODE: ME

NO REF SOV: 001

OTHER: 001

Card3/4

ACCESSION NR: AT4041810

ENCLOSURE: 01

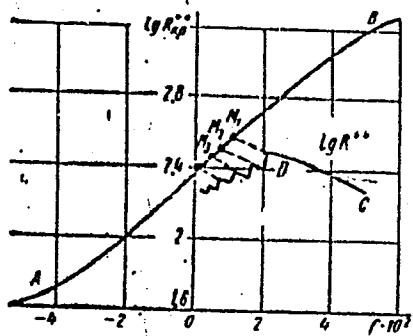


Fig. 1. Conditions for preserving laminar flow in the boundary layer

Card 4/4

- KHARIKOV, B.A.; DEMIN, V.Ye.

Results of seismic investigations by the reflection method in the
Oval-Toval area of the Balkhan region in 1963. Geol. nefti i gaza 8
no. 5: 34-38 My '64. (MIRA 17:9)

1. Zapadnaya geofizicheskaya ekspeditsiya No.1 Upravleniya geologii
i okhrany nedr pri Sovete Ministrów Turkmenской SSR.

DEMIN, W., kand.fiziko-matematicheskikh nauk

Outstanding achievement of Soviet astronautics. Voen. vest. 42
no.10:13-15 O '62. (MIRA 15:10)
(Astronautics)

DEMIN, Ye.A.; SHTAN'KO, V.F.; SHPILEVOY, V.K.; YURCHENKO, P.I.

Experimental model of the a/c. drive of drilling tool feed
control. Neft. i gaz. prom. 3:21-24 Jl-S '65.
(MIRA 18:11)

DEMIN, V.E.N.

Through the southern Urals. Zdorov'e 2 no. 7:21-22 J1 '56. (MLRA 9:8)
(URAL MOUNTAIN REGION--DESCRIPTION AND TRAVEL)

DEMIN, V. N.

The production of press-form dies by cold stamping. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1950. 60 p. (50-38733)

TS253.D4

1. DEM'IN, YE. N.
2. USSR (600)
4. Technology
7. Designing dies for plastics, Kiev, Mashgiz, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

PHASE I BOOK EXPLOITATION 840

Demin, Ye. N.

Prisposobleniya, primenayemyye v proizvodstve izdeliy iz plastmass (Devices Used in Manufacturing Plastic Articles) Leningrad, 1955. 10 p. (Series: Leningradskiy dom nauchno-tehnicheskoy propagandy. Informatsionno-tehnicheskiy listok, no. 24/672) 7,000 copies printed.

Sponsoring Agencies: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchno-tehnicheskoy propagandy, Leningradskiy dom nauchno-tehnicheskoy propagandy.

Ed.: Sukhov, I.V.; Tech. Ed.: Gvirts, V.I..

PURPOSE: The purpose of this brochure is to acquaint those working in the plastics industry with several new devices for shortening the duration of certain preliminary and final operations in the manufacture of plastic articles.

Card 1/3

Devices Used in Manufacturing Plastic Articles 840

COVERAGE: The author is concerned with the mechanization of time-consuming operations in the manufacture of plastic parts used in making machines and tools. A brief description and diagrams are given of 1) a device for placing reinforcements in a multicavity mold 2) a hopper and a device for loading molding powder into a 90-cavity plastic mold 3) several devices for removing threaded mold pins from plastic parts having molded threads 4) three devices for preventing plastic parts from warping during their cooling period. The author claims that these devices will considerably shorten the time expended on preparatory and finishing operations in the production of molded plastic articles. There are no references. There is no Table of Contents; the booklet is subdivided as follows:

Introduction	1
1. Installation of Reinforcement	1
2. Filling Molds With the Molding Powder	2
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Devices Used in Manufacturing Plastic Articles	840
3. Removal of Threaded Pins and Other Pins From Molded Articles	4
4. Cooling of Molded Articles and Prevention of Deformation	8
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Conclusion

AVAILABLE: Library of Congress

GO/ksv
11-18-58

Card 3/3

DEMIN, YE. N.

PHASE I BOOK EXPLOITATION

54

YEVGENIY
Demin, Ye. NIKOLAEVICH

Progressivnyye metody proyektirovaniya i izgotovleniya pressform
(Progressive Methods of Designing and Manufacturing Compression Molds)
Gosudarstvennoye nauchno-tehnicheskoye izdatel'stvo
mashinostroitel'noy literatury, Moscow-Leningrad, 1957. 128 p.
5,000 copies printed.

Ed.: Vayntraub, D.A., Eng.; Publ. House Ed.: Borodulina, I.A.;
Tech. Ed.: Sokolova, L.V.; Reviewer: Mikhaylov, N.Ye.

PURPOSE: The book is intended for engineering and technical personnel in industrial enterprises, scientific research and design organizations, and for technicians and foremen in tool shops.

COVERAGE: The book presents brief characteristics of compression molds and discusses the basic questions of unification and standardization of plastic products and technological equipment.

Card 1/4

Progressive Methods of Designing and Manufacturing (Cont.) 54

Progressive methods of designing and preparing compression molds under the conditions of series (or approaching series) production are described. There are 8 Soviet references.

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Features

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1. Preliminary remarks

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2. Characteristics of plastic products

7

3. Characteristics of compression molds

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5. Selection of the type and design of compression
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AVAILABLE: Library of Congress (TP986 .A2D462)

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VK/ksv

6-18-58

PHASE I BOOK EXPLOITATION

SDV/4603

Demin, Yevgeniy Nikolayevich

Konstruirovaniye pressform dlya plasticheskikh materialov (Designing of Molds for Plastics) [Leningrad] Lenizdat, 1960. 331 p. 4,000 copies printed.

Ed. (Title page): I.G. Kosmachev; Ed. (Inside book): S.I. Borshchевская; Tech. Ed.: N.G. Onoshko.

PURPOSE: This book is intended for technical personnel and skilled workers engaged in the designing and manufacturing of molds.

COVERAGE: The author generalizes and systematizes the experience gained at institutes and factories in the designing of molds for plastic materials. He discusses the characteristics and properties of plastics, describes various molding techniques, gives data on types of presses, and explains the steps to be followed in calculating and designing molds. No personalities are mentioned. There are 15 references, all Soviet.

Card 1/5

DEMIN, Yevgeniy Nikolayevich; BORSHCHEVSKAYA, S.I., red.; ONOSHKO,
N.G., tekhn. red.

[Mechanization and automation of the compression molding of
articles from plastic materials] Mekhanizatsiya i avtomatiza-
tsiya pressovaniia izdelii iz plastmass. Leningrad, Lenizdat,
1962. 192 p. (MIRA 16:2)
(Plastics--Molding) (Automation)

DEMIN, S.P.
USER/Zooparasitology - Acarine and Insect-Vectors of Disease
Pathogens.

G-7

Res Jour : Ref. Zhur. + Biol., No 5, 1958, 19609

Author : Demin, S.P., Devyatshhev, N.P.

Inst : -

Title : Species Composition and Seasonal Variation of Flea Fauna
on House Mice (*Mus musculus* Lin.) and on Common Field
Mice (*Microtus arvalis* Pall.).

Orig Pub : Tr. Rostovsk.-n./D. gos. n.-i. protivochumn. in-ta, 1956,
11, 101-107

Abstract : In 1951-1955 899 fleas (10 species) were gathered from
9418 house mice and 1066 fleas (13 species) from 2988
common field mice. Animals were caught during all sea-
sons of the year at populated points, on hay stacks and
open points. In buildings the house mice comprised 99%
of all rodents (those falling into traps constituted 5-
10%). The abundance of fleas on mice ranged from

Card 1/2

USSR/Zooparacitology - Acarina and Insect-Vectors of Disease
Pathogens.

G-2

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19669

0.03 to 0.2, on field mice from 0.2 to 0.6. On mice Leptopsylla segnis and Ceratophyllus mocrzeckyi predominated: on field mice Amphipsylla rossica and Ctenophthalmus breviusculus. The variation of species composition and numbers of fleas on mice and field mice is described in detail in accordance with the seasons in different habitats. In mice in populated areas, the mice had fleas from susilks, field mice and other steppe rodents (in April-September up to 36% of the total number of fleas collected).

Card 2/2

NEL'ZINA, Ye.N.; KORCHEVSKAYA, V.A.; NAGLOVA, G.I.; NAGLOV, V.A.;
DEMIN, Ye.P..

Species and ecology of Gamasidae in the ground squirrel Citellus
pygmaeus Pall in West Kazakhstan Province [with summary in Eng-
lish]. Med.paraz. i paraz.bol. 27 no.5:584-590 S-0 '58.
(MIRA 12:1)

1. Iz Rostovskogo-na-Donu gosudarstvennogo nauchno-issledovatel'-
skogo protivochumnogo instituta (dir. instituta A.K. Shishkin)
i Ural'skoy protivochumnoy stantsii (nach. stantsii L.M. Kucherov).

(ASCARIASIS,
Gamasidae in ground squirrel (Rus))
(ANIMALS,
same)

DEMIN, Ye.P.

Epizootic outbreaks of plague in Alticola Platycranum, Izv,
Irk. gos. nauch.-issl. protivochum. inst. 21:68-69 '59.

(MIRA 14:1)

(MONGOLIA—FIELD MICE—DISEASES AND PESTS)
(PLAQUE)

Demin, Ye. P.

137-1958-3-4968

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 72 (USSR)

AUTHOR: Demin, Ye. P.TITLE: Some Problems of the Computation of Specific Pressure Exerted by the Metal on Rollers in Cold Rolling of Fusion-resistant Metals
(Nekotoryye voprosy rascheta udel'nogo davleniya metalla na valki
pri kholodnoy prokatke tugoplavkikh metallov)PERIODICAL: Tr. N.-i. in-ta. M-vo radiotekhn. prom-sti SSSR, 1957, Nr 7
(43), pp 102-130

ABSTRACT: Investigations were carried out in order to determine how the magnitude and the distribution of specific pressure is affected by the employment of simplified calculations of work hardening, as well as by the substitution of the seizure arc by its cord. Existing theoretical formulas, employing a simplified approach in the computation of work hardening, distort the true nature of theoretical curves and yield considerably lower values of the pressure of metal against the rollers in the event when the work-hardening law diverges sharply from a linear form. In order to determine the coefficient of external friction (CEF) of infusible (fusion-resistant) metals, a method was used in which specimens

Card 1/2

137-1958-3-4968

Some Problems of the Computation of Specific Pressure (cont.)

are squeezed between two hinged plates. The instant the angle between the plates is twice as great as the angle of friction, the specimen begins to move and finally slips out of the device. The angle of friction is obtained by halving the angle formed on the specimen after deformation. The following CEF values were obtained with unlubricated plates of U8 steel: Cu 0.089; Duralumin 0.068; Mo 0.103; Ta 0.11; Nb 0.159; Zr 0.179; Ti 0.119; Nichrome 0.11. The degree of relative reduction during cold rolling strongly affects the value of σ_s in the majority of infusible metals. The curves obtained may be successfully employed to compute the SP exerted by the metal against the rollers.

Ya. G.

Card 2/2

D. M. N., Yt.

137-58-1-607

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 95 (USSR)

AUTHOR: Demin, Ye. P.

TITLE: Cold Rolling of the Thinnest Grade of Foil from Refractory Metals (Kholodnaya prokatka tenchayshikh lent iz tugoplavkikh metallov)

PERIODICAL: Tr. N.-i. in-ta, M-vo radiotekhn. prom-sti SSSR, 1957,
Nr 6 (42), pp 71-88

ABSTRACT: A 20-roll cluster mill designed by A. P. Tatarenkov to roll Ta, W, Mo, Ti, Zr, and Nb into 8-20 micron foil up to 110 mm width, is described. The working stand of the mill consists of two halves, upper and lower. The upper half of the stand (S) is lifted by a hand-operated hydraulic jack to level the foil. The hinged connection of the two halves is effected by means of tie bolts. In each half of the working S there are mounted four back-up rolls (R), three second-row intermediate back-up R, two first-row intermediate back-up R, and one working R. The back-up R are in the form of stationary shafts, around which thick-walled rings rotate on needle bearings. The rings are in contact with the second-row intermediate back-up R on one side

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137-58-1-607

Cold Rolling of the Thinnest Grade of Foil (cont.)

and with the housing of the S on the other. The middle rows of the second back-up row are the driving R of the S. Transmission of rotation from them to the working R is by friction. The driving R are rotated by a 4.5-kw 1440-rpm AC motor via a 3-stage V-belt drive, a 1:30 reduction gear, a geared S, and universal spindles. The kinematic layout provides rolling speeds of 4, 6, 7 and 11.2 m/min. The degree of rolling reduction is regulated by a special mechanism consisting of two eccentric S, which are at the same time the axles of the back-up R of the upper half of the S, and have worm-drive gear and worms linked therewith seated on their ends. Rotation of the worms is by hand wheels. The coilers of the mill are rotated by two 1-kw (2800-rpm) DC motors via reduction gears with the following ratios: 1:1, 1:4, 1:8 and 1:12. Coordination of the stepped changes in the number of revolutions with the smooth regulation of motor speeds provides a wide range of variation of torque moments on the coilers within the 10-800 kgcm range. Breast rollers, making it possible to produce a strip with minimum differences in thickness across its width, are employed in this mill. The essence of the concept is that combination of the recesses on one of the working R (usually the lower) and two of the intermediate R, against which they rest, makes it possible to obtain a clearance between the working R. When load is applied to the working R, the clearance is diminished less at its edges and more in the center.

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137-58-1-607

Cold Rolling of the Thinnest Grade of Foil (cont.)

In general, therefore, the gap resembles a barrel section. By regulating the depth of the grooves and the amount of load on the R, one is able to obtain a clearance of the desired concavity between the R.

S.G.

1. Rolling mills—Operation

Card 3/3

SOV/137-58-11-22411D

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 82 (USSR)

AUTHOR: Demin, Ye. P.

TITLE: An Investigation of the Rolling of the Very Thinnest Strip From High-melting-point Metals (Issledovaniya protsessov prokatki tonchayshikh lent iz tugoplavkikh metallov)

PERIODICAL: Author's dissertation for the degree of Candidate of Technical Sciences, presented to the Gos. kom-t Sov. Min. SSSR po radioelektronike. Gos. soyuzn. n.-i. in-t (State Committee of the Councils of Ministers of USSR for Radioelectronics. State Union Scientific Research Institute), place not shown, 1958

ABSTRACT: An investigation of the distribution of unit pressure over the contact arc is conducted for purposes of theoretical analysis of cold rolling (R) mills for refractory metal (Me). Curves for unit pressure, calculated both on the true and the simplified (linear) laws of change in the hardening of 10KP steel, Mo, and nichrome, differ in nature in the lag zone and are similar in the zone of forward slip. An increase in the coefficient of friction diminishes this difference. The major reasons for the differences between the nature of the experimental

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SOV/137-58-11-22411D

An Investigation of the Rolling of the Very Thinnest Strip (cont.)

and that of the theoretical curves derived by the equations of Korolev and Tatarenkov is the fact that these formulas make simplifying provisions for hardening, the imperfections in the method of measuring pressure, and the fact that the zone of pick-up is ignored. The coefficient of friction determined by the method of compressing specimens between rotating plates without lubrication (indicated in the numerator) and with lubrication (shown in the denominator) proves to be as follows: Mo 0.1/0.087, Ta 0.11/0.087, Nb 0.16/0.012, Ti 0.12/0.0096, Zr 0.18/0.138, nichrome Kh20N80 0.1/0.083. A technology for R extremely thin strip from refractory Me on a modernized 20-roll mill is developed. Barrel-shaped rolls are used to R deformation-resistant Me, while stepped rolls are better for plastic Me. 8-12-micron strip was rolled from the deformation-resistant Me: Ti, Mo and nichrome, while strip down to 3 to 7 microns was rolled with the more plastic metals: Zr, Nd, Ta, and Fe-Ni alloy. The average unit pressure is 60-210 kg/mm² and unit energy consumption is 0.12-0.6 kwh/kg. A 12-roll cold R mill is used to mount a unit for heating the strip by electrical contact in a shielding atmosphere (argon) heated to 300-400°C, and this makes it possible to flatten W wire to strip 20 microns thick and 3 mm wide.

ASSOCIATION: Gos. kom-t Sov. Min. SSSR po radioelektronike. Gos. soyuzn.
Card 2/3

SOV/137-58-11-22411D

An Investigation of the Rolling of the Very Thinnest Strip (cont.)

n.-1. in-t (State Committee of the Councils of Ministers of USSR for Radioelectronics. State Union Scientific Research Institute), place not shown.

Ya. G.

Card 3/3

ALEKSANDROVA, Ariadna Timofeyevna; BRODSKIY, Solomon Isaakovich;
SAZHIN, Ivan Ivanovich; SHCHIRENKO, Georgiy Nikolayevich;
DEMIN, Ye.P., red.; BUL'DYAYEV, N.A., tekhn. red.

[Equipment for working high-melting metals in the manufacture
of electron vacuum devices] Oborudovanie dlja obrabotki tugo-
plavkikh metallov v elektrovakuumnom proizvodstve. Moskva,
Gosenergoizdat, 1963. 79 p.
(MIRA 16:11)

(Electron tubes)
(Metals at high temperatures)

DEMIN, Yu., inzh.

Housing construction in the virgin territories of western Kazakhstan.
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(Kazakhstan--Building)

MAKSUMOV, A., kand. sel'skokhozyaystvennykh nauk; MANSUROV, N., kand. sel'skokhozyaystvennykh nauk; DEMIN, Yu., kand. sel'skokhozyaystvennykh nauk; CHUMACHENKO, I., kand. sel'skokhozyaystvennykh nauk; URLAPOVA, Ye.; NURMATOV, A.; ERGASHEV, R.; SAFIULIN, F.

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1. Tadzhikskiy nauchno-issledovatel'skiy institut sel'skogo khozyaystva.
(Gissar Valley--Field crops)

DEMIN, Yu.

Concrete walls with slotted cavities. Sel' stroi. 12 no.7:27 Jl
'57. (MIRA 10:8)

1. Zamestitel' glavnogo inzhenera tresta "Ural'skstroy."
(Walls) (Concrete construction)

DEMIN, Yurii Vasil'yevich; POLYAKOV, V.F., red.; NAZAROVA, A.S.,
tekhn. red.

[Prompted by life; from the work practice of a bureau of
economic analysis staffed with volunteers at the
"Uralmash" Plant] Podskazano zhizn'iu; iz opyta raboty ob-
shchestvennogo biuro ekonomicheskogo analiza na zavode
"Uralmash." Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe
v zhizni, nauke, tekhnike. III Seriia: Ekonomika, no.21)
(MIRA 17:1)

(Sverdlovsk—Machinery industry--Management)

KURDYUMOV, A.V.; DEMIN, Yu.V.; ZHDANOV, G.S.

Effect of technological factors on the mechanical properties and
tendency toward crack formation of the ML5 alloy. Lit. proizv.
no.8:17-18 Ag '63. (MIRA 16:10)

DEMIN, Yu.I.

Biology of winter rape in Tajikistan. Izv.Otd.est.nauk AN Tadzh.SSR
no.11 '55. (MLRA 9:10)

1.Institut zhivotnevedstva Akademii nauk Tadzhikskoy SSR.
(Tajikistan--Rape (Plant))

USSR / Soil Scienco. Cultivation. Improvement. Erosion.

J-5

Abs Jour : Rof. Zhur - Biologiya, No 17, 1958, № 77452

Author : Demin, Yu. I.

Inst : Not given

Title : Doeponing of the Arable Horizon in Dry Farming in
Tadzhikistan

Orig Pub : S. kh. Tadzhikistana, 1957, № 9, 49-52

Abstract : No abstract given

Card 1/1

DEMIN, Yu.I., Cand Agr Sci -- (diss) "Introduction of
the winter rape ⁱⁿ the Gissar ~~in~~ Valley of Tadzhik
SSR." Stalinabad, 1959, 19 pp (All-Union Order of Lenin
Acad of Agr Sci im V.I. Lenin. All-Union Sci Res Inst
of Plant ^{Cultivation} ~~Production~~) 150 copies (KL, 34-59, 115)

1. ORIGIN : USSR
2. COPY : Cultivation of Tadzhik. Republic. Institute of Agricultural Sciences.
3. DATE, YEAR : October 10, 1970, No. 15721
4. AUTHOR : Borin, Yu.T.
5. TYPE : Winter Rape in Tadzhikistan.
6. REG. NO. : Tashk. Univ. Tadzhik., 1957, No. 21, 2a-40

ABSTRACT : With sowing in the first decade of November winter rape in the unirrigated lands of the Gissarskaya valley yield 200 to 250 c/h of green mass. The crop yield rises with increased depth of plowing. Plowing to a depth of 30 to 35 cm with layer turnover increased the green mass crop yield to 214 and the seed crop to 13.34 c/h. The best sowing method is wide row with 45 cm inter-rows and needling quota of 8 kg/h. Contained in the green mass of winter

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